

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"10586543"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/01 00:50
L2	2	("20030207125").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L3	0	("(insularnear2crystal)with(III\$1Vor (groupnearIIInearnitride)").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L4	1	(insular near2 crystal) with (III\$1V or (group near III near nitride))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L5	6	(insular near2 crystal) and (III\$1V or (group near III near nitride))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L6	0	(10/443794).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L7	1	10/443794	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L8	4	("2000068474").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50

L9	513	(III\$1V or (group near III near nitride)) and (groove same surface same substrate) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L10	0	L9 and (buffer near (column\$2 island))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L11	2	L9 and (substrate with surface with roughness)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L12	19	(udagawa near takashi).in. and (epitaxial near wafer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L13	18	("5103284" "5455431").PN. OR ("5886367").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/01 00:50
L14	0	("("20030207125").PN.").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L15	2	("20030207125").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L16	99553	(III\$1V or (group near III near nitride))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L17	14012	L16 with substrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L18	511	L17 and (substrate with surface with (roughness rough))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50

L19	217	L18 and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L20	34	("20030064535" "20040235268" "20050032330" "5013681" "5217564" "5231047" "5374564" "5391257" "5637187" "5641381" "5713057" "5877070" "5882987" "6020252" "6103597" "6150239" "6221738" "6242324" "6323108" "6328796" "6346458" "6429104" "6465327" "6497763" "6504091" "6794276" "6815309" "6908828"). PN. OR ("7019339").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/01 00:50
L21	44	("3964957" "4495219" "4530149" "4906594" "5141878" "5198071" "5198371" "5213986" "5374564" "5409563" "5427052" "5494835" "5506176" "5508207" "5518965" "5559043" "5686980" "5705421" "5714395" "5841931" "5854123" "5869387" "5869405" "5877070" "5966620" "5966625" "5968279" "6004868" "6008128" "6107213" "6143628" "6162705" "6171965" "6171982" "6194327" "6204151" "6214701" "6251754" "6274464" "6287941" "6342436").PN. OR ("6969668").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/01 00:50
L22	269	(III\$1V or (group near III near nitride)) and (groove with surface with substrate) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L23	1	10/443794	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L24	357	(III\$1V or (group near III near nitride)) and (groove near4 substrate) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L25	14	("4567393" "5571603").PN. OR ("5821568").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/01 00:50
L26	11	("5821568" "5909036" "6072197" "6086673" "6107162" "6225650" "6335546" "6411636" "6542526" "6576533").PN. OR ("6773504").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/01 00:50

L27	343	(III\$1V or (group near III near nitride)) and (surface with (roughness irregularities) with substrate) and @ad< "20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L28	329	L27 not (L24 or L22)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L29	2	("20030207125").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L30	44	("3964957" "4495219" "4530149" "4906594" "5141878" "5198071" "5198371" "5213986" "5374564" "5409563" "5427052" "5494835" "5506176" "5508207" "5518965" "5559043" "5686980" "5705421" "5714395" "5841931" "5854123" "5869387" "5869405" "5877070" "5966620" "5966625" "5968279" "6004868" "6008128" "6107213" "6143628" "6162705" "6171965" "6171982" "6194327" "6204151" "6214701" "6251754" "6274464" "6287941" "6342436").PN. OR ("6969668").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/01 00:50
L31	42	(III\$1V or (group near III near nitride)) and (groove with surface with substrate with (".mu.m " or "nm")) and @ad< "20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L32	51	(III\$1V or (group near III near nitride)) and ((groove near4 substrate) with (".mu.m " or "nm")) and @ad< "20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L33	5	("4308078" "6071795" "6113685" "6348096" "6426519").PN. OR ("6864158").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/01 00:50
L34	39	(III\$1V or (group near III near nitride)) and (groove same surface same substrate same sapphire) and @ad< "20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50

L35	7	(III\$1V or (group near III near nitride)) and (groove same surface same substrate same sapphire same depth) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L36	18	(III\$1V or (group near III near nitride)) and (groove same substrate same sapphire same (depth deep)) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L37	5	(III\$1V or (group near III near nitride)) and (roughness same substrate same sapphire same (depth deep)) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L38	3	(III\$1V or (group near III near nitride)) and (buffer near4 columnar) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L39	3	("6376866").PN. OR ("6917059").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/01 00:50
L40	168	257/11.ccls. and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L41	285	257/189.ccls. and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L42	310	257/615.ccls. and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L43	3	257/e33.023.ccls. and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L44	352	257/e33.049.ccls. and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50

L45	32	257/e31.019.ccls. and @ad< "20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L46	1	"10586543"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/01 00:50
L47	2	("20030207125").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L48	0	("(insularnear2crystal)with(III\$1Vor (groupnearIIInearnitride)").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L49	1	(insular near2 crystal) with (III\$1V or (group near III near nitride))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L50	6	(insular near2 crystal) and (III\$1V or (group near III near nitride))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L51	0	(10/443794).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L52	1	10/443794	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L53	4	("2000068474").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50

L54	513	(III\$1V or (group near III near nitride)) and (groove same surface same substrate) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L55	0	L54 and (buffer near (column\$2 island))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L56	2	L54 and (substrate with surface with roughness)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L57	19	(udagawa near takashi).in. and (epitaxial near wafer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L58	18	("5103284" "5455431").PN. OR ("5886367").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/01 00:50
L59	0	("("20030207125").PN.").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L60	2	("20030207125").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L61	99553	(III\$1V or (group near III near nitride))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L62	14012	L61 with substrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L63	511	L62 and (substrate with surface with (roughness rough))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50

L64	217	L63 and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L65	34	("20030064535" "20040235268" "20050032330" "5013681" "5217564" "5231047" "5374564" "5391257" "5637187" "5641381" "5713057" "5877070" "5882987" "6020252" "6103597" "6150239" "6221738" "6242324" "6323108" "6328796" "6346458" "6429104" "6465327" "6497763" "6504091" "6794276" "6815309" "6908828"). PN. OR ("7019339").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/01 00:50
L66	44	("3964957" "4495219" "4530149" "4906594" "5141878" "5198071" "5198371" "5213986" "5374564" "5409563" "5427052" "5494835" "5506176" "5508207" "5518965" "5559043" "5686980" "5705421" "5714395" "5841931" "5854123" "5869387" "5869405" "5877070" "5966620" "5966625" "5968279" "6004868" "6008128" "6107213" "6143628" "6162705" "6171965" "6171982" "6194327" "6204151" "6214701" "6251754" "6274464" "6287941" "6342436").PN. OR ("6969668").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/01 00:50
L67	269	(III\$1V or (group near III near nitride)) and (groove with surface with substrate) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L68	1	10/443794	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L69	357	(III\$1V or (group near III near nitride)) and (groove near4 substrate) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L70	14	("4567393" "5571603").PN. OR ("5821568").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/01 00:50
L71	11	("5821568" "5909036" "6072197" "6086673" "6107162" "6225650" "6335546" "6411636" "6542526" "6576533").PN. OR ("6773504").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/01 00:50

L72	343	(III\$1V or (group near III near nitride)) and (surface with (roughness irregularities) with substrate) and @ad< "20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L73	329	L72 not (L69 or L67)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L74	2	("20030207125").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L75	44	("3964957" "4495219" "4530149" "4906594" "5141878" "5198071" "5198371" "5213986" "5374564" "5409563" "5427052" "5494835" "5506176" "5508207" "5518965" "5559043" "5686980" "5705421" "5714395" "5841931" "5854123" "5869387" "5869405" "5877070" "5966620" "5966625" "5968279" "6004868" "6008128" "6107213" "6143628" "6162705" "6171965" "6171982" "6194327" "6204151" "6214701" "6251754" "6274464" "6287941" "6342436").PN. OR ("6969668").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/01 00:50
L76	42	(III\$1V or (group near III near nitride)) and (groove with surface with substrate with (".mu.m " or "nm")) and @ad< "20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L77	51	(III\$1V or (group near III near nitride)) and ((groove near4 substrate) with (".mu.m " or "nm")) and @ad< "20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L78	5	("4308078" "6071795" "6113685" "6348096" "6426519").PN. OR ("6864158").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/01 00:50
L79	39	(III\$1V or (group near III near nitride)) and (groove same surface same substrate same sapphire) and @ad< "20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50

L80	7	(III\$1V or (group near III near nitride)) and (groove same surface same substrate same sapphire same depth) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L81	18	(III\$1V or (group near III near nitride)) and (groove same substrate same sapphire same (depth deep)) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L82	5	(III\$1V or (group near III near nitride)) and (roughness same substrate same sapphire same (depth deep)) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L83	3	(III\$1V or (group near III near nitride)) and (buffer near4 columnar) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L84	3	("6376866").PN. OR ("6917059").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/01 00:50
L85	168	257/11.ccls. and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L86	285	257/189.ccls. and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L87	310	257/615.ccls. and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L88	3	257/e33.023.ccls. and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
L89	352	257/e33.049.ccls. and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50

L90	32	257/e31.019.ccls. and @ad< "20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/01 00:50
S1	1	"10586543"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/01 16:30
S2	2	("20030207125").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/23 23:54
S3	0	("(insularnear2crystal)with(III\$1Vor (groupnearIIInearnitride)").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/24 00:05
S4	1	(insular near2 crystal) with (III\$1V or (group near III near nitride))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/24 00:06
S5	6	(insular near2 crystal) and (III\$1V or (group near III near nitride))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/24 00:06
S6	0	(10/443794).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/24 00:08
S7	1	10/443794	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/24 00:08
S8	4	("2000068474").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/24 00:08

S9	513	(III\$1V or (group near III near nitride)) and (groove same surface same substrate) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/24 00:22
S10	0	S9 and (buffer near (column\$2 island))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/24 00:23
S11	2	S9 and (substrate with surface with roughness)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/24 00:46
S12	19	(udagawa near takashi).in. and (epitaxial near wafer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/28 20:14
S13	18	("5103284" "5455431").PN. OR ("5886367").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/28 20:17
S14	0	("("20030207125").PN.").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/28 20:35
S15	2	("20030207125").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/28 20:35
S16	96964	(III\$1V or (group near III near nitride))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/29 13:28
S17	13014	S16 with substrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/29 13:29
S18	477	S17 and (substrate with surface with (roughness rough))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/29 13:30

S19	216	S18 and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/29 13:31
S20	33	("20030064535" "20040235268" "20050032330" "5013681" "5217564" "5231047" "5374564" "5391257" "5637187" "5641381" "5713057" "5877070" "5882987" "6020252" "6103597" "6150239" "6221738" "6242324" "6323108" "6328796" "6346458" "6429104" "6465327" "6497763" "6504091" "6794276" "6815309" "6908828"). PN. OR ("7019339").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/29 16:58
S21	44	("3964957" "4495219" "4530149" "4906594" "5141878" "5198071" "5198371" "5213986" "5374564" "5409563" "5427052" "5494835" "5506176" "5508207" "5518965" "5559043" "5686980" "5705421" "5714395" "5841931" "5854123" "5869387" "5869405" "5877070" "5966620" "5966625" "5968279" "6004868" "6008128" "6107213" "6143628" "6162705" "6171965" "6171982" "6194327" "6204151" "6214701" "6251754" "6274464" "6287941" "6342436").PN. OR ("6969668").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/29 17:10
S24	269	(III\$1V or (group near III near nitride)) and (groove with surface with substrate) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/29 18:59
S25	1	10/443794	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/29 19:42
S26	357	(III\$1V or (group near III near nitride)) and (groove near4 substrate) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/29 20:02
S27	13	("4567393" "5571603").PN. OR ("5821568").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/29 20:19
S28	11	("5821568" "5909036" "6072197" "6086673" "6107162" "6225650" "6335546" "6411636" "6542526" "6576533").PN. OR ("6773504").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/29 20:21

S29	342	(III\$1V or (group near III near nitride)) and (surface with (roughness irregularities) with substrate) and @ad< "20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/29 20:31
S30	328	S29 not (S26 or S24)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/29 20:32
S31	2	("20030207125").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/29 21:02
S32	44	("3964957" "4495219" "4530149" "4906594" "5141878" "5198071" "5198371" "5213986" "5374564" "5409563" "5427052" "5494835" "5506176" "5508207" "5518965" "5559043" "5686980" "5705421" "5714395" "5841931" "5854123" "5869387" "5869405" "5877070" "5966620" "5966625" "5968279" "6004868" "6008128" "6107213" "6143628" "6162705" "6171965" "6171982" "6194327" "6204151" "6214701" "6251754" "6274464" "6287941" "6342436").PN. OR ("6969668").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/29 21:05
S33	42	(III\$1V or (group near III near nitride)) and (groove with surface with substrate with (".mu.m " or "nm")) and @ad< "20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/29 21:12
S34	51	(III\$1V or (group near III near nitride)) and ((groove near4 substrate) with (".mu.m " or "nm")) and @ad< "20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/31 23:01
S35	5	("4308078" "6071795" "6113685" "6348096" "6426519").PN. OR ("6864158").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/31 23:08
S36	39	(III\$1V or (group near III near nitride)) and (groove same surface same substrate same sapphire) and @ad< "20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/01 14:59

S37	7	(III\$1V or (group near III near nitride)) and (groove same surface same substrate same sapphire same depth) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/01 15:04
S38	18	(III\$1V or (group near III near nitride)) and (groove same substrate same sapphire same (depth deep)) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/01 15:04
S39	5	(III\$1V or (group near III near nitride)) and (roughness same substrate same sapphire same (depth deep)) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/01 15:14
S40	3	(III\$1V or (group near III near nitride)) and (buffer near4 columnar) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/01 16:20
S41	2	("6376866").PN. OR ("6917059").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/01 18:06
S42	168	257/11.ccls. and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/01 18:56
S43	284	257/189.ccls. and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/01 18:57
S44	309	257/615.ccls. and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/01 18:57
S45	3	257/e33.023.ccls. and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/01 18:57
S46	352	257/e33.049.ccls. and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/01 18:57

S47	31	257/e31.019.ccls. and @ad< "20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/01 18:57
S48	1	"10586543"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/29 18:14
S49	2	("20030207125").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S50	0	("(insularnear2crystal)with(III\$1Vor (groupnearIIInearnitride)").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S51	1	(insular near2 crystal) with (III\$1V or (group near III near nitride))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S52	6	(insular near2 crystal) and (III\$1V or (group near III near nitride))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S53	0	(10/443794).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S54	1	10/443794	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S55	4	("2000068474").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14

S56	513	(III\$1V or (group near III near nitride)) and (groove same surface same substrate) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S57	0	S56 and (buffer near (column\$2 island))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S58	2	S56 and (substrate with surface with roughness)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S59	19	(udagawa near takashi).in. and (epitaxial near wafer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S60	18	("5103284" "5455431").PN. OR ("5886367").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/29 18:14
S61	0	("("20030207125").PN.").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S62	2	("20030207125").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S63	99489	(III\$1V or (group near III near nitride))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S64	13993	S63 with substrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S65	510	S64 and (substrate with surface with (roughness rough))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14

S66	217	S65 and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S67	34	("20030064535" "20040235268" "20050032330" "5013681" "5217564" "5231047" "5374564" "5391257" "5637187" "5641381" "5713057" "5877070" "5882987" "6020252" "6103597" "6150239" "6221738" "6242324" "6323108" "6328796" "6346458" "6429104" "6465327" "6497763" "6504091" "6794276" "6815309" "6908828"). PN. OR ("7019339").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/29 18:14
S68	44	("3964957" "4495219" "4530149" "4906594" "5141878" "5198071" "5198371" "5213986" "5374564" "5409563" "5427052" "5494835" "5506176" "5508207" "5518965" "5559043" "5686980" "5705421" "5714395" "5841931" "5854123" "5869387" "5869405" "5877070" "5966620" "5966625" "5968279" "6004868" "6008128" "6107213" "6143628" "6162705" "6171965" "6171982" "6194327" "6204151" "6214701" "6251754" "6274464" "6287941" "6342436").PN. OR ("6969668").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/29 18:14
S69	269	(III\$1V or (group near III near nitride)) and (groove with surface with substrate) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S70	1	10/443794	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S71	357	(III\$1V or (group near III near nitride)) and (groove near4 substrate) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S72	14	("4567393" "5571603").PN. OR ("5821568").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/29 18:14
S73	11	("5821568" "5909036" "6072197" "6086673" "6107162" "6225650" "6335546" "6411636" "6542526" "6576533").PN. OR ("6773504").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/29 18:14

S74	343	(III\$1V or (group near III near nitride)) and (surface with (roughness irregularities) with substrate) and @ad< "20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S75	329	S74 not (S71 or S69)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S76	2	("20030207125").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S77	44	("3964957" "4495219" "4530149" "4906594" "5141878" "5198071" "5198371" "5213986" "5374564" "5409563" "5427052" "5494835" "5506176" "5508207" "5518965" "5559043" "5686980" "5705421" "5714395" "5841931" "5854123" "5869387" "5869405" "5877070" "5966620" "5966625" "5968279" "6004868" "6008128" "6107213" "6143628" "6162705" "6171965" "6171982" "6194327" "6204151" "6214701" "6251754" "6274464" "6287941" "6342436").PN. OR ("6969668").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/29 18:14
S78	42	(III\$1V or (group near III near nitride)) and (groove with surface with substrate with (".mu.m " or "nm")) and @ad< "20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S79	51	(III\$1V or (group near III near nitride)) and ((groove near4 substrate) with (".mu.m " or "nm")) and @ad< "20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S80	5	("4308078" "6071795" "6113685" "6348096" "6426519").PN. OR ("6864158").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/29 18:14
S81	39	(III\$1V or (group near III near nitride)) and (groove same surface same substrate same sapphire) and @ad< "20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14

S82	7	(III\$1V or (group near III near nitride)) and (groove same surface same substrate same sapphire same depth) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S83	18	(III\$1V or (group near III near nitride)) and (groove same substrate same sapphire same (depth deep)) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S84	5	(III\$1V or (group near III near nitride)) and (roughness same substrate same sapphire same (depth deep)) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S85	3	(III\$1V or (group near III near nitride)) and (buffer near4 columnar) and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S86	3	("6376866").PN. OR ("6917059").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/29 18:14
S87	168	257/11.ccls. and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S88	285	257/189.ccls. and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S89	310	257/615.ccls. and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S90	3	257/e33.023.ccls. and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
S91	352	257/e33.049.ccls. and @ad<"20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14

S92	32	257/e31.019.ccls. and @ad< "20040126"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 18:14
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